

CLAIMS

What is claimed is:

- 5 1. A supporting apparatus for supporting an electric device in a car comprising:
- 10 ? { a plug having a front end and a rear end over which the front end of the plug being can be plugged into and fixed in an electric socket of the car;
- 15 ? { a flexible steel tube having two ends fixed to the rear end of the plug and the electric device separately;
- 15 ? { a plurality of flexible steel wire ropes each having two ends fixed to the rear end of the plug and the electric device separately, the plurality of steel wire ropes being positioned separately at two sides of the steel tube for strengthening the steel tube; and
- 20 an electric wire installed in the steel tube for electrically connecting the electric device to the plug;
- 20 wherein when an user bends or rotates the supporting apparatus, the steel tube and steel wire ropes of the supporting apparatus will be flexibly bent or rotated and the electric device will be approximately maintained at the bent or rotated position.
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- 30 2. The supporting apparatus of claim 1 further comprising a plastic cover covered on the steel tube and steel wire ropes for protecting the steel tube and steel wire ropes.
- 30 3. The supporting apparatus of claim 2 wherein the plastic cover is made of flexible plastic material and is formed directly outside the steel tube and steel wire ropes.
- 35 ? 4. The supporting apparatus of claim 1 wherein a plurality of steel wire ropes are symmetrically installed at two sides of the steel tube for strengthening the steel tube.
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5. The supporting apparatus of claim 1 comprising two steel wire ropes symmetrically installed at two sides of the steel tube for strengthening the steel tube.
- 5 6. The supporting apparatus of claim 1 further comprising a rigid plastic head piece integrally built at (one ends) of the steel tube and steel wire ropes near the plug for (fastening the steel tube and steel wire ropes together.)
- 10 7. The supporting apparatus of claim 1 further comprising a L-shaped metal piece embedded in a plastic housing of the electric device wherein the L-shaped metal piece comprises a first plate and a second plate perpendicular to each other and the first plate comprises a plurality of holes (for allowing one ends of the steel tube and steel wire ropes to pass through and embedded in the plastic housing of the electric device.
- 15 8. The supporting apparatus of claim 7 further comprising a metal piece for fixing the steel tube and steel wire ropes to the second plate of the L-shaped metal piece to prevent the steel tube and steel wire ropes from loosening.
- 20 9. The supporting apparatus of claim 1 wherein the electric socket of the car is also used for connecting an electric cigarette lighter.
- 25 10. The supporting apparatus of claim 1 wherein each of the steel wire ropes is formed by combining a plurality of stainless steel wires together.
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